Miguel Angel Cortez

List of Publications by Year
in descending order

77	2,717	186265 28	206112 48
papers	citations	h-index	g-index

78	78	78	2955
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	PTG Depletion Removes Lafora Bodies and Rescues the Fatal Epilepsy of Lafora Disease. PLoS Genetics, 2011, 7, e1002037.	3.5	185
2	Anticonvulsant properties of acetone, a brain ketone elevated by the ketogenic diet. Annals of Neurology, 2003, 54, 219-226.	5.3	160
3	Mutation I810N in the Î±3 isoform of Na ⁺ ,K ⁺ -ATPase causes impairments in the sodium pump and hyperexcitability in the CNS. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 14085-14090.	7.1	128
4	Mania-like behavior induced by genetic dysfunction of the neuron-specific Na ⁺ ,K ⁺ -ATPase Î±3 sodium pump. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 18144-18149.	7.1	127
5	Laforin preferentially binds the neurotoxic starch-like polyglucosans, which form in its absence in progressive myoclonus epilepsy. Human Molecular Genetics, 2004, 13, 1117-1129.	2.9	101
6	Nonconvulsive Seizures in the Pediatric Intensive Care Unit: Etiology, EEG, and Brain Imaging Findings. Epilepsia, 2006, 47, 1510-1518.	5.1	97
7	Succinic semialdehyde dehydrogenase deficiency: Lessons from mice and men. Journal of Inherited Metabolic Disease, 2009, 32, 343-352.	3.6	97
8	Type I Diabetes and Multiple Sclerosis Patients Target Islet Plus Central Nervous System Autoantigens; Nonimmunized Nonobese Diabetic Mice Can Develop Autoimmune Encephalitis. Journal of Immunology, 2001, 166, 2831-2841.	0.8	84
9	Infantile Spasms and Down Syndrome: A New Animal Model. Pediatric Research, 2009, 65, 499-503.	2.3	76
10	Absence seizures in succinic semialdehyde dehydrogenase deficient mice: a model of juvenile absence epilepsy. Pharmacology Biochemistry and Behavior, 2004, 79, 547-553.	2.9	65
11	Treatment of Infantile Spasms. Journal of Child Neurology, 2011, 26, 1411-1421.	1.4	63
12	Succinic Semialdehyde Dehydrogenase Deficiency: GABAB receptor-mediated function. Brain Research, 2006, 1090, 15-22.	2.2	62
13	LIMK1 Regulates Long-Term Memory and Synaptic Plasticity via the Transcriptional Factor CREB. Molecular and Cellular Biology, 2015, 35, 1316-1328.	2.3	62
14	Status epilepticus in mice deficient for succinate semialdehyde dehydrogenase: GABAA receptor-mediated mechanisms. Annals of Neurology, 2006, 59, 42-52.	5.3	61
15	Activation of Entorhinal Cortical Projections to the Dentate Gyrus Underlies Social Memory Retrieval. Cell Reports, 2018, 23, 2379-2391.	6.4	56
16	A ketogenic diet rescues the murine succinic semialdehyde dehydrogenase deficient phenotype. Experimental Neurology, 2008, 210, 449-457.	4.1	54
17	Predictive Value of Clinical and EEG Features in the Diagnosis of Stroke and Hypoxic Ischemic Encephalopathy in Neonates With Seizures. Stroke, 2009, 40, 2402-2407.	2.0	52
18	Dynamical regimes underlying epileptiform events: role of instabilities and bifurcations in brain activity. Physica D: Nonlinear Phenomena, 2003, 186, 205-220.	2.8	49

#	Article	IF	Citations
19	Learning and memory impairment in rats with chronic atypical absence seizures. Experimental Neurology, 2004, 190, 328-336.	4.1	48
20	Interactions of Clobazam With Conventional Antiepileptics in Children. Journal of Child Neurology, 1997, 12, 208-213.	1.4	47
21	Reactive EEG Patterns in Pediatric Coma. Pediatric Neurology, 2005, 33, 345-349.	2.1	44
22	Evidence that clozapine directly interacts on the GABAB receptor. NeuroReport, 2011, 22, 637-641.	1.2	43
23	Generalized myoclonic epilepsy with photosensitivity in juvenile dogs caused by a defective DIRAS family GTPase 1. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2669-2674.	7.1	39
24	A chronic model of atypical absence seizures: studies of developmental and gender sensitivity. Epilepsy Research, 2002, 48, 111-119.	1.6	38
25	Recurrent seizures in metachromatic leukodystrophy. Pediatric Neurology, 1997, 17, 150-154.	2.1	36
26	Circadian profiles of focal epileptic seizures: A need for reappraisal. Seizure: the Journal of the British Epilepsy Association, 2012, 21, 412-416.	2.0	36
27	GABAB receptor antagonism abolishes the learning impairments in rats with chronic atypical absence seizures. European Journal of Pharmacology, 2006, 541, 64-72.	3.5	34
28	Diagnostic Utility of Wireless Videoâ€Electroencephalography in Unsedated Dogs. Journal of Veterinary Internal Medicine, 2017, 31, 1469-1476.	1.6	34
29	Transgenic mice over-expressing GABABR1a receptors acquire an atypical absence epilepsy-like phenotype. Neurobiology of Disease, 2007, 26, 439-451.	4.4	33
30	Chronobiometry of Behavioral Activity in the Ts65Dn Model of Down Syndrome. Behavior Genetics, 2007, 37, 388-398.	2.1	31
31	Clinical and Neurophysiologic Spectrum Associated with Atypical Absence Seizures in Children with Intractable Epilepsy. Journal of Child Neurology, 2005, 20, 404-410.	1.4	29
32	Latitudinal differences on the global epidemiology of infantile spasms: systematic review and meta-analysis. Orphanet Journal of Rare Diseases, 2018, 13, 216.	2.7	29
33	Refractory atypical absence seizures in rat: a two hit model. Epilepsy Research, 2004, 62, 53-63.	1.6	26
34	Daily rhythms of seizure activity and behavior in a model of atypical absence epilepsy. Epilepsy and Behavior, 2006, 9, 564-572.	1.7	26
35	The circuitry of atypical absence seizures in GABABR1a transgenic mice. Pharmacology Biochemistry and Behavior, 2009, 94, 124-130.	2.9	25
36	Brain Sterols in the AY-9944 Rat Model of Atypical Absence Seizures. Epilepsia, 2002, 43, 3-8.	5.1	24

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37	Neuroligin 3 R451C mutation alters electroencephalography spectral activity in an animal model of autism spectrum disorders. Molecular Brain, 2017, 10, 10.	2.6	24
38	Serotonin Depletion Attenuates AY-9944-Mediated Atypical Absence Seizures. Epilepsia, 2006, 47, 240-246.	5.1	23
39	Absence seizures withÂmyoclonic features inÂaÂjuvenile Chihuahua dog. Epileptic Disorders, 2010, 12, 138-141.	1.3	23
40	Hormonal regulation of atypical absence seizures. Annals of Neurology, 2004, 55, 353-361.	5.3	22
41	Infantile spasms in down syndrome: Rescue by knockdown of the GIRK2 channel. Annals of Neurology, 2016, 80, 511-521.	5.3	22
42	Severity of atypical absence phenotype in GABAB transgenic mice is subunit specific. Epilepsy and Behavior, 2009, 14, 577-581.	1.7	20
43	Î³-Hydroxybutyric acid-induced absence seizures in GluR2 null mutant mice. Brain Research, 2001, 897, 27-35.	2.2	19
44	The <scp>GIRK</scp>2 subunit is involved in ISâ€like seizures induced by <scp>GABA</scp>_B receptor agonists. Epilepsia, 2015, 56, 1081-1087.	5.1	19
45	Lovastatin exacerbates atypical absence seizures with only minimal effects on brain sterols. Journal of Lipid Research, 2004, 45, 2038-2043.	4.2	18
46	Circadian distribution of generalized tonicâ€“clonic seizures associated with murine succinic semialdehyde dehydrogenase deficiency, a disorder of GABA metabolism. Epilepsy and Behavior, 2008, 13, 290-294.	1.7	18
47	Neuroligin 2 regulates absence seizures and behavioral arrests through GABAergic transmission within the thalamocortical circuitry. Nature Communications, 2020, 11, 3744.	12.8	18
48	Infantile spasms: Seasonal onset differences and zeitgebers. Pediatric Neurology, 1997, 16, 220-224.	2.1	17
49	Disruption of ClC-2 expression is associated with progressive neurodegeneration in aging mice. Neuroscience, 2010, 167, 154-162.	2.3	17
50	Absence Seizures as a Feature of Juvenile Myoclonic Epilepsy in Rhodesian Ridgeback Dogs. Journal of Veterinary Internal Medicine, 2018, 32, 428-432.	1.6	16
51	EEG before and after total corpus callosotomy for pharmacoresistant infantile spasms: Fast oscillations and slowâ€wave connectivity in hypsarrhythmia. Epilepsia, 2019, 60, 1849-1860.	5.1	16
52	Seizure frequency discrepancy between subjective and objective ictal electroencephalography data in dogs. Journal of Veterinary Internal Medicine, 2021, 35, 1819-1825.	1.6	16
53	Animal models of epilepsy and progressive effects of seizures. Advances in Neurology, 2006, 97, 293-304.	0.8	16
54	5-HT2 modulation of AY-9944 induced atypical absence seizures. Neuroscience Letters, 2007, 418, 13-17.	2.1	15

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55	Alteration of GLUR2 expression in the rat brain following absence seizures induced by Î³-hydroxybutyric acid. Epilepsy Research, 2001, 44, 41-51.	1.6	14
56	Arrhythmia and sudden death associated with elevated cardiac chloride channel activity. Journal of Cellular and Molecular Medicine, 2011, 15, 2307-2316.	3.6	14
57	Acute and chronic pharmacological models of generalized absence seizures. Journal of Neuroscience Methods, 2016, 260, 175-184.	2.5	14
58	Systemic availability of guanidinoacetate affects GABAA receptor function and seizure threshold in GAMT deficient mice. Amino Acids, 2016, 48, 2041-2047.	2.7	13
59	EEG and neuroimaging correlations in children with lissencephaly. Seizure: the Journal of the British Epilepsy Association, 2013, 22, 189-193.	2.0	12
60	Methodologic recommendations and possible interpretations of videoâ€‹scp›EEG‹/scp› recordings in immatureÂrodents used as experimental controls: AÂTASK1â€‹WG2 report of the ILAE/AES Joint TranslationalÂTask Force. Epilepsia Open, 2018, 3, 437-459.	2.4	12
61	Effect of prior general anesthesia or sedation and antiseizure drugs on the diagnostic utility of wireless video electroencephalography in dogs. Journal of Veterinary Internal Medicine, 2020, 34, 1967-1974.	1.6	12
62	A Reappraisal of Rhythmic Coma Patterns in Children. Canadian Journal of Neurological Sciences, 2005, 32, 518-523.	0.5	11
63	GABA receptor proteins within lipid rafts in the AYâ€9944 model of atypical absence seizures. Epilepsia, 2009, 50, 776-788.	5.1	11
64	Kcnj6 (GIRK2) trisomy is not sufficient for conferring the susceptibility to infantile spasms seen in the Ts65Dn mouse model of down syndrome. Epilepsy Research, 2018, 145, 82-88.	1.6	11
65	Pharmacologic Models of Generalized Absence Seizures in Rodents. , 2006, , 111-126.		10
66	Environmental Enrichment Improves Behavioral Outcome in the AY-9944 Model of Childhood Atypical Absence Epilepsy. International Journal of Neuroscience, 2012, 122, 449-457.	1.6	10
67	Paroxysmal Alpha Activity in Rett Syndrome: A Case Report. Pediatric Neurology, 2014, 51, 421-425.	2.1	6
68	Hypsarrhythmia in epileptic spasms: Synchrony in chaos. Seizure: the Journal of the British Epilepsy Association, 2018, 58, 55-61.	2.0	6
69	The Significance of Frontal Intermittent Rhythmic Delta Activity in Children. Canadian Journal of Neurological Sciences, 2010, 37, 656-661.	0.5	5
70	GABAB receptors in absence epilepsy. Epilepsia, 2010, 51, 24-24.	5.1	5
71	Monoamine variability in the chronic model of atypical absence seizures. Epilepsia, 2009, 50, 768-775.	5.1	3
72	Targeting the GABAB Receptor for the Treatment of Epilepsy. Receptors, 2016, , 175-195.	0.2	3

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73	Perineal stimulation triggering seizures in a child with Dravet syndrome. Seizure: the Journal of the British Epilepsy Association, 2018, 62, 106-107.	2.0	2
74	Prolonged rhythmic mid-temporal discharges (RMTD) in a 5-year old child. Journal of Clinical Neuroscience, 2018, 48, 81-82.	1.5	1
75	Pharmacologically induced absence seizures versus kindling in Wistar rats. Ä°stanbul Kuzey Klinikleri, 2019, 7, 25-34.	0.3	1
76	Electrophysiological Recording Techniques. 2011. Edited by Robert P. Vertes, Robert W. StackmanJr. Published by Humana Press. 284 pages. C$120 approx.. Canadian Journal of Neurological Sciences, 2013, 40, 271-272.	0.5	0
77	5. Prospective pre-emptive EEG study prior to west syndrome. Clinical Neurophysiology, 2018, 129, e46.	1.5	0